

Betreff: NFDI4BIOIMAGE Newsletter - June 17th, 2024

Von: NFDI4BIOIMAGE Project Office <nfdi4bioimage@uni-duesseldorf.de>

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Dear NAME

today's newsletter presents plenty of opportunities to get in touch with NFDI4BIOIMAGE at conferences and symposia. Do you need support with bioimage research data management? Reach out via our Help Desk at <https://nfdi4bioimage.de/help-desk>.

What's new?

- Our **Data Stewardship Team welcomes its new colleague**, Ksenia Krooß, a trained plant scientist from the University of Düsseldorf. Find more information on the Data Stewards Team and our Helpdesk here: <https://nfdi4bioimage.de/about-us/data-stewardship-team/>
- New every month: Have you seen the June image of our **NFDI4BIOIMAGE calendar**? The 2025 edition of the calendar is being planned already. Do you have images you would love to see in the calendar? We invite all NFDI consortia to contribute with images to create a consortium spanning 2025 edition. You can apply with your images (of any kind) to become part of the NFDI4BIOIMAGE calendar. Submit your application via email pointing to your image (under CC-BY), the associated context and annotations and a few words on the story behind the image. Apply by July 30th via helpdesk@nfdi4bioimage.de. As a cherry on top: all winners will have the opportunity to join a session on metadata annotation to learn its importance and contribute to our calendar with the full package: data + metadata.
- Our partner project I3D:bio is announcing a special workshop: **Fit for OMERO: How imaging facilities and IT departments work together to enable RDM for bioimaging**. This workshop is addressed at teams from core facilities and IT joining the workshop together. Find all information here and register with your team by July 19th: <https://indico.dkfz.de/e/omero-it-workshop>

What's upcoming?

- At the **International Union for Pure and Applied Biophysics (IUPAB) Conference in Kyoto, Japan**, taking place from June 24th-28th, Josh Moore (GerBI-GMB and TA-lead in NFDI4BIOIMAGE) will participate as a speaker in the Data Sharing and Open Science Session. Find more information here: <https://www.c-linkage.co.jp/iupab2024-bsj-kyoto/cfa.html>
- From September 9th to 13th, the **10th International Conference on Plasma Medicine (ICPM10)** takes place in Portorož-Portorose, Slovenia. Our NFDI4BIOIMAGE Data Steward Mohsen Ahmadi will present a talk about FAIR bioimaging data in plasma medicine. For more information on the conference, please visit: <https://f6-ge.ijs.si/icpm10/>

- Meet team members of NFDI4BIOIMAGE and many other consortia at the **3rd Open Science Festival in Mainz** on September 17th & 18th: <https://www.rhein-main-universitaeten.de/news/open-science-festival-2024>
- The **7th International Symposium on Image-based Systems Biology** takes place on September 26th & 27th, co-organized by our Co-Applicant Leibniz Institute for Natural Product Research and Infection Biology (HKI). Meet NFDI4BIOIMAGE members at this event. For more information, please visit: <https://asb-conference.hki-jena.de/>
- On September 26th & 27th, there is also the opportunity to join us at the **GBM Compact Symposium organized by the Gesellschaft für Biochemie und Molekularbiologie**. Team members from NFDI4BIOIMAGE and I3D:bio will host a 1 hour workshop on the topic of bioimage data management. Find all information here: <https://gbm-compact.org/gbm-compact-2.html>
- The **EOSC Symposium 2024** will take place from October 21st to 23rd in Berlin, organized in collaboration with the NFDI e.V. Registration is open until September 30th. Find more information here: <https://eosc.eu/symposium2024/>
- The **Global Bioimaging Exchange of Experience IX** meeting on Research Data Management will take place from October 29th to 31st in Kyoto, Japan. Registration and poster abstract submissions are open: <https://globalbioimaging.org/exchange-of-experience/exchange-of-experience-ix>
- **Calling for Contributions: The Trends in Microscopy 2025 (TiM2025), the German Bioimaging spring school** will take place from March 17-21, 2025 at the Albgut in Münsingen, Germany. The conference venue will be transformed into a microscopy boot camp, including a fully operational S1 laboratory, state-of-the-art microscopes and IT infrastructure, facilitating interactive workshops on optics, sample preparation, teaching techniques, data analysis, data management and beyond. TiM2025 will offer an immersive training experience through hands-on workshops and insightful scientific lectures dedicated to students and scientists. To bring the workshops to life, your input is needed! The **call for TiM2025 workshops is open until June 30th, 2024**. Be encouraged for submission of a workshop application. For further information, please refer to the following link: <https://gerbi-gmb.de/event/tim2025/>

What's to read?

Implementing bioimaging research data management practices into daily routines of a core facility's work is challenging. The I3D:bio team has published a core-facility-centric perspective on the bioimaging research data life cycle with a practical guide to implement novel systems and solutions for bioimaging RDM. Check out our review in *Journal of Microscopy*:

- Schmidt, C., Boissonnet, T., Dohle, J., Bernhardt, K., Ferrando-May, E., Wernet, T., Nitschke, R., Kunis, S., & Weidtkamp-Peters, S. (2024). **A practical guide to bioimaging research data management in core facilities**. *Journal of Microscopy*, 294, 350–371. <https://doi.org/10.1111/jmi.13317>

This article is a contribution to a themed issue on core facilities. Don't miss the many excellent reviews available in this issue:

<https://bsky.app/profile/somssich.bsky.social/post/3kthievllzt27>

In case you have missed Euro-BioImaging's '**A Guide to FAIR Bioimage Data**' Workshop, the Eu-BI Bio-Hub team is offering a recording on this excellent workshop that provides a comprehensive overview on the topics around bioimaging research data management and on practical tools for the everyday application. The workshop recording will be made available on the Euro-BioImaging YouTube Channel:

<https://www.youtube.com/@EuroBioImagingCommunication/videos>

In collaboration with the I3D:bio team, members of NFDI4BIOIMAGE offered **two workshops on using the bioimaging research data management platform OMERO** for organizing and structuring microscopy data. The material and presentations slides from both workshops (One two-day online workshop on April 29th & 30th, and one on-premise workshop on May 13th) are now available on Zenodo as reusable Open Educational Material:

- Fuchs, V. A. F., Schmidt, C., & Boissonnet, T. (2024, Mai 6). [Workshop] FAIR data handling for microscopy: Structured metadata annotation in OMERO. Zenodo. <https://doi.org/10.5281/zenodo.11109616>
- Massei, R., Bortolomeazzi, M., & Schmidt, C. (2024, Mai 13). [Workshop] Bioimage data management and analysis with OMERO. Zenodo. <https://doi.org/10.5281/zenodo.11350689>

If you are new to OMERO, be reminded to check out our open educational training material and the OMERO introduction videos on YouTube:

https://www.youtube.com/playlist?list=PL2k-L-zWPoR7SHjG1HhDIwLZj0MB_stlU

Are you working with Spatial Omics? Read about the **new data framework "SpatialData"** which leverages the multi-platform format based on OME's next-generation file format, OME-Zarr, which was co-supervised by J. Moore:

- Marconato, L., Palla, G., Yamauchi, K.A. et al. SpatialData: an open and universal data framework for spatial omics. Nat Methods (2024). <https://doi.org/10.1038/s41592-024-02212-x>

Best wishes,

Kathy Schmitz & Christian Schmidt
(NFDI4BIOIMAGE Project Office)

(Requests towards the Projects Office may be delayed in July due to holidays)

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The NFDI4BIOIMAGE consortium comprises legally independent partners and does not act autonomously towards third parties. Both Project Coordinators represent the contributions from their respective affiliated institutions and work together for the project.